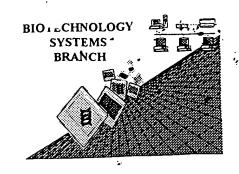
RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	09	931,375
Source:	01	PE
Date Processed by STIC:	0	3/23/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: $09/931,37$
ATTN: NEW RULES CASES	: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
lWrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's représenting more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
"bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

AMC - Biotechnology Systems Branch - 06/04/2001

DATE: 08/23/2001

TIME: 17:07:12

OIPE

```
Output Set: N:\CRF3\08162001\I931375.raw
      3 <110> APPLICANT: WARMAN, Matthew L.
                                                                      Does Not Comply
              GONG, Yaoqin
      5
              OLSEN, Bjorn R.
                                                                  Corrected Diskette Needed
      6
              RAWADI, Georges
              ROMAN-ROMAN, Sergio
      9 <120> TITLE OF INVENTION: REGULATOR GENE AND SYSTEM USEFUL FOR THE DIAGNOSIS AND
THERAPY OF
              OSTEOPOROSIS
     10
     12 <130> FILE REFERENCE: 38464-0004
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/931,375
C--> 14 <141> CURRENT FILING DATE: 2001-08-17
     14 <150> PRIOR APPLICATION NUMBER: US 60/304,851
     15 <151> PRIOR FILING DATE: 2001-07-13
     17 <150> PRIOR APPLICATION NUMBER: US 60/234,337
     18 <151> PRIOR FILING DATE: 2000-09-22
     20 <150> PRIOR APPLICATION NUMBER: US 60/226,119
     21 <151> PRIOR FILING DATE: 2000-08-18
     23 <160> NUMBER OF SEQ ID NOS: 89
     25 <170> SOFTWARE: PatentIn version 3.0
     27 <210> SEQ ID NO: 1
     28 <211> LENGTH: 5063
     29 <212> TYPE: DNA
     30 <213> ORGANISM: Homo sapiens
     32 <400> SEQUENCE: 1
     33 gccatggagc ccgagtgagc gcggcgcggg cccgtccggc cgccggacaa catggaggca
                                                                               60
     35 gegeegeeeg ggeegeegtg geegetgetg etgetgetge tgetgetget ggegetgtge
                                                                              120
                                                                              180
     37 ggctgcccgg cccccgccgc ggcctcgccg ctcctgctat ttgccaaccg ccgggacgta
                                                                              240
     39 cggctggtgg acgccggcgg agtcaagctg gagtccacca tcgtggtcag cggcctggag
     41 gatgeggeeg eagtggaett eeagttttee aagggageeg tgtaetggae agaegtgage
                                                                              300
     43 gaggaggeca teaageagae etaeetgaae eagaeggggg eegeegtgea gaaegtggte
                                                                              360
                                                                              420
     45 atotooggoo tggtototoo ogacggooto gootgegaot gggtgggcaa gaagotgtao
                                                                              480
     47 tggacqgact cagagaccaa ccqcatcgag gtggccaacc tcaatggcac atcccggaag
     49 gtgctcttct ggcaggacct tgaccagcct agggccatcg ccttggaccc cgctcacggg
                                                                              540
     51 tacatgtact ggacagactg gggtgagacg ccccggattg agcgggcagg gatggatggc
                                                                              600
                                                                              660
     53 agcacccgga agatcattgt ggactcggac atttactggc ccaatggact gaccatcgac
                                                                              720
     55 ctggaggagc agaagctcta ctgggctgac gccaagctca gcttcatcca ccgtgccaac
     57 ctggacggct cgttccggca gaaggtggtg gagggcagcc tgacgcaccc cttcgccctg
                                                                              780
                                                                              840
     59 acgetetecg gggaeactet gtaetggaea gaetggeaga eeegeteeat eeatgeetge
                                                                              900
     61 aacaagegea etggggggaa gaggaaggag ateetgagtg eeetetaete acceatggae
     63 atccaggtgc tgagccagga gcggcagcct ttcttccaca ctcgctgtga ggaggacaat .
                                                                              960
     65 ggcggctgct cccacctgtg cctgctgtcc ccaagcgagc ctttctacac atgcgcctgc
                                                                             1020
     67 cccacgggtg tgcagctgca ggacaacggc aggacgtgta aggcaggagc cgaggaggtg
                                                                             1080
                                                                             1140
     69 ctgctgctgg cccggcggac ggacctacgg aggatctcgc tggacacgcc ggacttcacc
     71 gacategtge tgeaggtgga egacateegg caegecattg ceategacta egaceegeta
                                                                             1200
    73 gagggctatg tctactggac agatgacgag gtgcgggcca tccgcagggc gtacctggac
                                                                             1260
    75 gggtctgggg cgcagacgct ggtcaacacc gagatcaacg accccgatgg catcgcggtc
                                                                             1320
                                                                             1380
    77 gactgggtgg cccgaaacct ctactggacc gacacgggca cggaccgcat cgaggtgacg
```

79 cgcctcaacg gcacctcccg caagatcctg gtgtcggagg acctggacga gccccgagcc

RAW SEQUENCE LISTING

Input Set : A:\ES.txt

PATENT APPLICATION: US/09/931,375

Input Set : A:\ES.txt

Output Set: N:\CRF3\08162001\I931375.raw

81	atcgcactgc	accccgtgat	gggcctcatg	tactggacag	actggggaga	gaaccctaaa	1500
		ccaacttgga					1560
		gcctggccct					1620
		tcgaggtgat					1680
	-	acattttcgg					1740
		gcatcgagcg					1800
		acctgatggg					1860
		acaggaacgg					1920
		gccccatcgg					1980
		tggtcttcac					2040
		tggccatccc					2100
						ccgcgccttc	2160
						cgagggcatg	2220
	-					cagaatcgaa	2280
						ggacaacccg	2340
		ccctggatcc					2400
							2460
						ggacaaggtg	2520
		-				gaccgacctg	2580
						gattgccgac	2640
		acccgttcgg					
		gcattgagcg					2700 2760
		acttcgtgat					2820
		tgcacaacaa					2880
		gctgcgcctc					
		tcttgctgtt					2940
		cggatctcat	-			_	3000
		tggacaagtt					3060
		ggacccagcc					3120
		acgacctcag					3180
		ccatcaacgt					3240
		acaagcccag					3300
		aggaccgggc					3360
		tcaccaccgg					3420
		tctgggtgga					3480
		tgaccctgga					3540
		tctactggat					3600
		agcggactcg					3660
		tcagcctgga					3720
		tctgtattgc					3780
		tgcagaacct					3840
		ccacagggga					3900
		atgaccagag					3960
		ggggtcagtg					4020
		cagacgaggc					4080
		agtgtgtcct					4140
		agctcatgtg					4200
		tcgggcccgt					4260
		gccagcgcgt					4320
177	cacgagtatg	tcagcgggac	cccgcacgtg	cccctcaatt	tcatagcccc	gggcggttcc	4380

Input Set : A:\ES.txt

Output Set: N:\CRF3\08162001\I931375.raw

																agcctg	4440
	_		-					_	_			_				tcgtcc	
	-	-	-	_	_	_	-	-	_	_	_		-			ccctcc	
	_	_				_			-	_						ccggcc	
			-	_					_			_		-		ccctgc	
	-	_	_		_	_	-	_	-	-	_			_	_	tactac	
191	ctg	gatt	tga (actc	ggac	tc a	gacc	cctat	t cc	accc	ccac	cca	cgcc	cca	cage	cagtac	
	ctgtcggcgg aggacagctg cccgccctcg cccgccaccg agaggagcta cttccatctc																
	5 ttcccgcccc ctccgtcccc ctgcacggac tcatcctgac ctcggccggg ccactctggc																
197	7 ttctctgtgc ccctgtaaat agttttaaat atgaacaaag aaaaaaatat attttatgat																
199														5040			
201														5063			
204	204 <210> SEQ ID NO: 2																
205	05 <211> LENGTH: 1615																
206	06 <212> TYPE: PRT																
207	207 <213> ORGANISM: Homo sapiens																
209	<40	0> S	EQUE	NCE:	2		-										
211	Met	Glu	Ala	Ala	Pro	Pro	Gly	Pro	Pro	Trp	Pro	Leu	Leu	Leu	Leu	Leu	
212					5					10					15		
214	Leu	Leu	Leu	Leu	Ala	Leu	Cys	Gly	Cys	Pro	Ala	Pro	Ala	Ala	Ala	Ser	
215				20			-	-	25					30			
	Pro	Leu	Leu	Leu	Phe	Ala	Asn	Arg	Arg	Asp	Val	Arq	Leu	Val	Asp	Ala	
218			35					40	3			,	45				
	Glv	Glv	Val	Lvs	Leu	Glu	Ser	Thr	Ile	Val	Val	Ser	Glv	Leu	Glu	Asp	*
221	1	50		-1-			55			-		60	2			•	
	Ala		Ala	Va 1	Asp	Phe		Phe	Ser	Lvs	Glv	Ala	Val	Tvr	Trp	Thr	
224						70				-1-	75			-1-		80	
		Val	Ser	Glu	Glu		Tle	Lvs	Gln	Thr	-	Leu	Asn	Gln	Thr		
227					85			-10		90	-1-				95	1	
	λla	Ala	Val	Gln		Va 1	Val	Tle	Ser		Len	Val	Ser	Pro	Asp	Glv	
230				100					105	U -1			-00	110		J-1	
	Leu	Ala	Cvs		Tro	Va 1	Glv	Lvs		Leu	Tvr	Trp	Thr		Ser	Glu	
233			115				0-1	120	_1_		-1-		125				
	Thr	Asn		Tle	Glu	Va 1	Ala		Leu	Asn	Glv	Thr		Arσ	Lys	Va l	
236		130					135				0-1	140		5	_1_		
	Len			Gln	Asn	T.en		G1n	Pro	Arσ	Δla		Ala	Len	Asp	Pro	
	145	- 110		0111		150	op	0	110	*** 9	155			Lou		160	
		His	Glv	Tur	Met		Trp	Thr	Asn	Trn		Glu	Thr	Pro	Arg		
242	11.1·u	1113	OLY	- y -	165	-11-	115	1111	nsp	170	OLI	OLU	1.11	110	175	110	
	Glu	Δrσ	Δla	G1v		Δen	Glv	Ser	Thr		T.vc	Tle	T۱۵	Va 1	Asp	Ser	
245		nry	niu	180	rice	пор	OLY	DCI	185	hry	כעם	110	110	190	пор	DCI	
		Tla	ጥኒኒዮ		Dro	λen	Clv	T.Ou		Tla	λαη	T.Ou	Glu		Gln	T.vg	
247	rah	116	195	115	F10	ក១ដ	GTÅ	200	1 11I	116	ռոր	ьeu	205	GIU	GIII	פעם	
	Len	Фттъ		λls	λαν	λls	Lve		Cor	Dho	Tlo	Uic		λl =	Asn	יום.	
251	neu	210	ттЪ	ита	ush	мта	215	пеп	Set	FIIG	TTE	220	AT 9	мта	พวแ	nea.	
	λαν		C^~	Dha	λ ~~	C1 ~		Wa I	V=1	C1	C1		T 0	πh∽	His	Dro	
	225	ату	361	rne	итA		пуз	vaı	val	GIU	235	ser	neu	TILL	птэ	240	
		A 1 A	T 0	mb~	T 0	230	C1	N ~ ~	mk∽	т		m	mh-	A ~ ~	m~~		
	1116	ATG	ьеи	THE		ser	стХ	ASP	TIL		TÄL	ттр	THE	ASP	Trp	GIII	
257					245					250					255		

Input Set : A:\ES.txt

Output Set: N:\CRF3\08162001\I931375.raw

262 Glu Ile Leu Ser Ala Leu Tyr Ser Pro Met Asp Ile Gln Val Leu Ser 280 275	259 260	Thr	Arg	Ser	Ile 260	His	Ala	Cys	Asn	Lys 265	Arg	Thr	Gly	Gly	Lys 270		Lys
265 Gln Glu Arg Gln Pro Phe Phe His Thr Arg Cys Glu Glu Asp Asn Gly 266 290 295 300 300 300 300 300 310 310 310 310 320 320 325 325 325 325 325 325 325 325 325 325	262	Glu	Ile		Ser	Ala	Leu	Tyr		Pro	Met	Asp	Ile		`Val	Leu	Ser
268 Gly Cys Ser His Leu Cys Leu Ser Pro Ser Glu Pro Phe Tyr Thr 269 305 310 310 315 320 335	265	Gln			Gln	Pro	Phe		His	Thr	Arg	Cys		Glu	Asp	Asn	Gly
271 Cys	268	_		Ser	His	Leu	_		Leu	Ser	Pro			Pro	Phe	Tyr	
274 Lys	271		Ala	Cys	Pro			Val	Gln	Leu			Asn	Gly	Arg		
277	.274	Lys	Ala	Gly			Glu	Val	Leu			Ala	Arg	Arg			Leu
278 Val Asp Asp Asp Ile Arg His Ala Ile Asp Pro Leu Ala 284 385 Leu Asp Gly Ser Gly Ala Ala Ile Arg Ala Ile Arg Ala Ile Arg Ala Ile Ala Ala Ile Ala Ile Ala Ala Ile Ala Ala Ile Ala Ala		3	3	т1.		T 0	3 ~ ~	mh	Dwa		Dha	mh -	100	Tla		T 011	Cln
281 370 Tyr Val Tyr Leu Asp Glu Arg Ala 380 400 400 400 400 400 400 400 400 400 400 400 410 401 410 4	278	_	_	355					360					365			
284 385 Icu asp as a sp a	281		370					375					380				
287 Fro Asp Pro Asp Pro Asp Soly Ile Ala Val Asp Soly Ile Ala Val Asp Pro Asp Soly Ile Ala Val Asp Asp Pro Asp Thr Gly Thr Asp Pro Asp Thr Gly Thr Asp			Tyr	Val	Tyr	Trp		Asp	Asp	Glu	Val		Ala	Ile	Arg	Arg	
289 Asp Pro As		Tyr	Leu	Asp	Gly		Gly	Ala	Gln	Thr		Val	Asn	Thr			Asn
292 Thr Asp Thr Gly Thr Asp Arg Leu Val Ser Glu Val Fro Asp Leu Asp Trp And Ile Asp Leu Asp Trp Pro Ala Ile Asp Leu Asp Trp Asp Trp Ala Arg Arg Ala Ile Asp Ile Asp <td>289</td> <td>Asp</td> <td>Pro</td> <td>Asp</td> <td></td> <td>Ile</td> <td>Ala</td> <td>Val</td> <td>Asp</td> <td></td> <td>Val</td> <td>Ala</td> <td>Arg</td> <td>Asn</td> <td></td> <td>Tyr</td> <td>Trp</td>	289	Asp	Pro	Asp		Ile	Ala	Val	Asp		Val	Ala	Arg	Asn		Tyr	Trp
295 Ser Arg Lys Ile Leu Val Ser Glu Asp Leu Asp Glu Pro Arg Ala Ile 296 450 450 455 460 460 460 460 460 460 480 <td< td=""><td>292</td><td>Thr</td><td>Asp</td><td></td><td></td><td>Thr</td><td>Asp</td><td>Arg</td><td></td><td>Glu</td><td>Val</td><td>Thr</td><td>Arg</td><td></td><td>Asn</td><td>Gly</td><td>Thr</td></td<>	292	Thr	Asp			Thr	Asp	Arg		Glu	Val	Thr	Arg		Asn	Gly	Thr
298 Ala Leu His Pro Val Met Gly Leu Het Trp Trp Asp Trp Gly Gly Glu Asp Asp Asp Asp Gly Gly Cys Asp Leu Asp Gly Gly Gly Cys Asp Leu Asp Gly Gly Cys Asp Leu Asp Gly Asp A	295	Ser			Ile	Leu	Val		Glu	Asp	Leu	Asp		Pro	Arg	Ala	Ile
301 Asn Pro Lys Ile Glu Cys Ala Asn Leu Asp Gly Gln Glu Arg Arg Val 302	298			His	Pro	Val		Gly	Leu	Met	Tyr		Thr	Asp	Trp	Gly	
304 Leu Val Asn Ala Ser Leu Gly Trp Pro Asn Gly Leu Asp Leu 307 Gln Glu Gly Lys Leu Tyr Trp Gly Asp Ala Lys Thr Asp Lys Ile Glu Glu Asp Lys Ile Glu Asp Lys Arg Arg Arg Thr Leu Leu Glu Asp Lys Lys Lys Arg Arg Arg Arg Arg Thr Leu Gly Asp Phe Thr Lys Arg A	301		Pro	Lys	Ile			Ala	Asn				Gln	Glu	Arg		
307 Gln Glu Gly Lys Leu Tyr Trp Gly Asp Ala Lys Thr Asp Lys Ile Glu 308	304	Leu	Val	Asn			Leu	Gly	Trp	Pro		Gly	Leu	Ala			Leu
310 Val Ile Asn Val Asp Gly Thr Lys Arg Arg Thr Leu Leu Glu Asp Lys 531	307	Gln	Glu			Leu	Tyr	Trp		-	Ala	Lys	Thr			Ile	Glu
313 Leu Pro His Ile Phe Gly Phe Thr Leu Leu Gly Asp Phe Ile Tyr Trp 314 545	310	Val			Val	Asp	Gly			Arg	Arg	Thr			Glu	Asp	Lys
316 Thr Asp Trp Gln Arg Arg Ser Ile Glu Arg Val His Lys Val Lys Ala 317	313			His	Ile	Phe	_		Thr	Leu	Leu	_		Phe	Ile	Tyr	
319 Ser Arg Asp Val Ile Ile Asp Gln Leu Pro Asp Leu Met Gly Leu Lys 520	316		Asp	Trp	Gln	_		Ser	Ile	Glu	_	Val	His	Lys	Val		
322 Ala Val Asn Val Ala Lys Val Val Gly Thr Asn Pro Cys Ala Asp Arg 323	319	Ser	Arg	Asp	Val								Leu	Met	Gly		Lys
323 595 600 605 325 Asn Gly Gly Cys Ser His Leu Cys Phe Phe Thr Pro His Ala Thr Arg 326 610 615 620 328 Cys Gly Cys Pro Ile Gly Leu Glu Leu Leu Ser Asp Met Lys Thr Cys 329 625 630 640		Ala	Val	Asn		Ala	Lvs	Val	Val		Thr	Asn	Pro	Cvs		Asp	Arg
326 610 615 620 328 Cys Gly Cys Pro Ile Gly Leu Glu Leu Leu Ser Asp Met Lys Thr Cys 329 625 630 635 640	323			595			_		600					605			
329 625 630 635 640		Asn	_	GLY	Cys	Ser	His		Cys	Pne	Phe	Thr		HlS	А1а	Tnr	Arg
			Gly	Cys	Pro	Ile	_	Leu	Glu	Leu	Leu		Asp	Met	Lys	Thr	
			Val	Pro	Glu	Ala		Leu	Val	Phe	Thr		Ara	Ala	Ala	Ile	

Input Set : A:\ES.txt

Output Set: N:\CRF3\08162001\1931375.raw

332					645					650					655	
334	Arq	Ile	Ser	Leu	Glu	Thr	Asn	Asn	Asn	Asp	Val	Ala	Ile	Pro	Leu	Thr
335	,			660					665	_				670		
337	Gly	Val	Lys	Glu	Ala	Ser	Ala	Leu	Asp	Phe	Asp	Val	Ser	Asn	Asn	His
338	•		675					680	-		-		685			
	Ile	Tyr	Trp	Thr	Asp	Val	Ser	Leu	Lys	Thr	Ile	Ser	Arq	Ala	Phe	Met
341		690			•		695		•			700				
	Asn	Glv	Ser	Ser	Val	Glu	His	Val	Val	Glu	Phe	Gly	Leu	Asp	Tyr	Pro
	705	1				710					715	•		-	•	720
		Glv	Met	Ala	Val	Asp	Trp	Met	Glv	Lvs	Asn	Leu	Tvr	Trp	Ala	Asp
347	0	- 1			725				1	730			- 4 -	•	735	•
	Thr	Glv	Thr	Asn	Arg	Ile	Glu	Val	Ala		Leu	Asp	Glv	Gln	Phe	Arq
350		-		740	5				745	3		1	2	750		٠,
	Gln	Va 1	Len		Trp	Ara	Asp	Leu		Asn	Pro	Ara	Ser		Ala	Leu
353	· ·	,	755			5	1126	760				,	765			
	Asn	Pro		Lvs	Gly	Tvr	Tle		Trp	Thr	Glu	Trp		Glv	Lvs	Pro
356		770		-10	0-1	-1-	775	-1-				780	1	1	-1-	
	Δrσ		Va l	Arσ	Ala	Phe		Asp	Glv	Thr	Asn		Met	Thr	Leu	Va l
	785	110	, 41	21.29		790	1100		0-1		795	O ₁ D				800
		Lvc	Va 1	Glv	Arg		Asn	Asn	T.e.i	Thr		Asp	Тvr	Ala	Asp	
362	изр	шуз	VUI	OLY	805	1114	non	пор	пси	810		1156	-1-		815	0111
	Δrσ	T.011	Ψvr	Ψrn	Thr	Δsn	T.211	Δsn	Thr		Met	Tle	Glu	Ser		Asn
365	пта	пса	1 y 1	820	1111	пор	БСи	пор	825	11011	1100	110	, Tu	830	001	
	Met	T.011	Glv		Glu	Δrσ	Val.	Val		Δla	Asp	Asp	Leu		His	Pro
368	1100	Deu	835	0111	014	**** 9	, u	840	110				845			
	Dho	G1 v	-	Thr	Gln	Tur	Ser		Tur	Tle	Tur	Tro		Asp	Trp.	Asn
371	1 110	850			0	-1-	855		-1-		-1-	860				
	Len		Ser	Tle	Glu	Arσ		Asp	Lvs	Thr	Ser		Ara	Asn	Ara	Thr
	865		001		014	870			-10		875	0-1	5		5	880
		Tle	Gln	Glv	His		Asp	Phe	Va 1	Met		Tle	Leu	Va l	Phe	
377	204		0111	011	885	Lou			,	890					895	
	Ser	Ser	Ara	Gln	Asp	Glv	Leu	Asn	Asp		Met.	His	Asn	Asn		Gln
380		-	9	900	····	<i>1</i>			905	-1-				910	1	
	Cvs	Glv	Gln		Cys	Leu	Ala	Tle		Glv	Glv	His	Ara		Glv	Cvs
383	0,70	011	915		010			920		U -1	1		925	-1-	1	-1-
	Ala	Ser		Tvr	Thr	Leu	Asp		Ser	Ser	Ara	Asn		Ser	Pro	Pro
386		930		-1-			935				,	940	-1-			
	Thr		Phe	Leu	Leu	Phe		Gln	Lvs	Ser	Ala	-	Ser	Arg	Met	Ile
	945					950			-1-		955			5		960
		Asp	Asp	Gln	His		Pro	Asp	Leu	Ile		Pro	Leu	His	Glv	
392		P			965					970					975	
	Ara	Asn	Va l	Lvs	Ala	Tle	Asp	Tvr	Asp		Leu	Asp	Lvs	Phe		Tvr
395	9			980				-1-	985				-1-	990		-1-
	Trp	Va 1	Asp		Ara	Gln	Asn	Tle	-	a Arc	ı Ala	a Lvs	s Asr		sp G	ly Thr
398		,	995	1	7	~		1000		;	,		100		. J.	
	Gln	Pro		⊵ Va	Lei	ı Thi	: Sei			er Gl	ln G1	Lv Gl		-	ero A	Asp
401		1010		- ,			101						20			-
	Ara			His	s Asp	Lei			Le As	ı Il	le Ty			\ra 1	Chr 1	Leu
404		1025			r		103						35			
			-									_`				

Page Gol 8A

09/931,375 Errored

When the 213 response is mandatory response is required in Field 223.

<210> 3 <211> 20 <212> DNA <213> Artificial Sequence <400> 3

ttgctgccct agacttagcc

<210> 4 <211> 18 <212> DNA <213> Artificial Sequence

<400> 4 ccaagtcgct tccgagac

<210> 5 <211> 20 <212> DNA <213> Artificial Sequence

<400> 5

20

18

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY DATE: 08/23/2001 PATENT APPLICATION: US/09/931,375 TIME: 17:07:13

Input Set : A:\ES.txt

Output Set: N:\CRF3\08162001\1931375.raw

```
L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:528 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:528 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:537 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:537 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:546 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:546 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:555 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:555 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:564 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:564 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:573 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:573 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:582 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:582 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:591 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:591 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:600 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:600 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:609 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:609 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: L:618 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:618 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:627 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:627 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:636 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:636 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:645 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:645 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:654 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:654 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:663 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:663 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:672 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:672 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:681 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:681\ M:258\ W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:690 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:690 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:699 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:699 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:708 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:708 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:717 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:717 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:726 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:726 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
```

VERIFICATION SUMMARY

.

DATE: 08/23/2001

PATENT APPLICATION: US/09/931,375

TIME: 17:07:13

Input Set : A:\ES.txt

Output Set: N:\CRF3\08162001\1931375.raw

L:735 M:258 W: Mandatory Feature missing, $\langle 220 \rangle$ FEATURE:

L:735 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:

L:744 M:258 W: Mandatory Feature missing, <220> FEATURE:

L:744 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:

L:787 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:32

L:862 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:40